

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A color laser printer comprising:

a detachable transfer belt unit comprising[[:]]

a transfer belt provided with plural reference marks fixedly pre-formed on the transfer belt[[:]], and

a correction data storage unit configured to store correction data for color difference and position difference including fixedly pre-stored measurement data based on the plural reference marks of the transfer belt, wherein the correction data is ~~a travel speed averaged on~~ a travel average speed for plural blocks of the transfer belt divided perpendicularly with respect to a travel direction of the transfer belt;

a detecting unit configured to detect whether the detachable transfer belt unit is detached and reattached or replaced with another detachable transfer belt unit with the same configuration;

a data storage unit configured to store the correction data; and

a correcting unit configured to perform corrections for color difference and position difference based on the correction data stored in the data storage unit,

wherein when the detecting unit detects that the detachable transfer belt unit is detached and reattached or replaced with another detachable transfer belt unit with the same configuration, the correction data stored in the correction data storage unit is transferred to the data storage unit, or the correction data is inputted from an operation panel.

2. (Previously Presented) The color laser printer according to claim 1, wherein the detachable transfer belt unit further comprises a drive mechanism for the transfer belt, and the color laser printer further comprises:

a mark detector that detects the reference mark on the transfer belt, and outputs a mark detection signal upon detection of the reference mark;

a plurality of photosensitive drums provided in contact with the transfer belt;

a plurality of toner tanks each of which is configured to supply toner to a corresponding photosensitive drum; and

a plurality of laser optical systems each of which is configured to form an image on a corresponding photosensitive drum upon output of the mark detection signal.

3. (Previously Presented) The color laser printer according to claim 2, wherein the transfer belt is an endless track forming a loop, and the detachable transfer belt unit further comprises:

a driving roller provided at one end and inside of the loop of the transfer belt and configured to drive the transfer belt, and a following roller provided at another end and inside of the loop of the transfer belt and configured to follow the driving roller; and

a plurality of primary transfer rollers provided inside of the loop of the transfer belt, each of which is configured to press the transfer belt towards a corresponding photosensitive drum.

4-5. (Canceled)

6. (Previously Presented) The color laser printer according to claim 1, wherein the transfer belt is an endless track forming a loop,

the detachable transfer belt unit further comprises a driving roller provided at one end and inside of the loop of the transfer belt and configured to drive the transfer belt, and

the color laser printer further comprises a printing control system provided with the data storage unit and configured to control the driving roller to adjust a speed of the transfer belt based on the correction data transferred to the data storage unit.

7. (Previously Presented) The color laser printer according to claim 1, wherein the correction data storage unit comprises an electrically erasable programmable read-only memory.

8. (Currently Amended) A color laser printer comprising:
detachable transferring means for transferring images to a transfer paper,
comprising[[:]

means for receiving images and for including plural reference marks
fixedly pre-formed on the means for receiving[[:]], and

correction data storage means for storing correction data for color
difference and position difference including fixedly pre-stored measurement
data based on the plural reference marks of the means for receiving, wherein
the correction data is ~~a travel speed averaged on~~ a travel average speed for
plural blocks of the transfer belt divided perpendicularly with respect to a
travel direction of the transfer belt[[:]],

detecting means for detecting whether the detachable transferring means is detached
and reattached or replaced with another detachable transferring means with the same
configuration;

data storage means for storing the correction data; and

correcting means for performing corrections for color difference and position
difference based on the correction data stored in the data storage means,

wherein when the detecting means detects that the detachable transferring means is detached and reattached or replaced with another detachable transferring means with the same configuration, the correction data stored in the correction data storage means is transferred to the data storage means, or the correction data is inputted from an operation panel.

9. (Previously Presented) The color laser printer according to claim 8, wherein the detachable transferring means further comprises a drive mechanism for the means for receiving, and the color laser printer further comprises:

a mark detecting means that detects the reference mark on the transferring means, and outputs a mark detection signal upon detection of the reference mark;

means for bearing images formed based on electrostatic charges, the means for bearing provided in contact with the means for receiving;

toner supplying means for supplying toner to the means for bearing; and

image forming means for forming an image on the means for bearing upon output of the mark detection signal.

10. (Previously Presented) The color laser printer according to claim 9, wherein the means for receiving comprises an endless track forming a loop, and the detachable transferring means further comprises:

first rolling means for driving the means for receiving, provided at one end and inside of the loop of the means for receiving, and second rolling means for following the first rolling means, provided at another end and inside of the loop of the means for receiving; and

primary transfer rolling means for pressing the means for receiving towards the means for bearing, provided inside of the loop of the means for receiving.

11-12. (Canceled)

13. (Previously Amended) The color laser printer according to claim 8, wherein the means for receiving comprises an endless track forming a loop, the detachable transferring means further comprises first rolling means for driving the means for receiving, the first rolling means provided at one end and inside of the loop of the means for receiving, and the color laser printer further comprises controlling means for providing the data storage means and for controlling the first rolling means to adjust a speed of the means for receiving based on the correction data transferred to the data storage means.

14. (Previously Presented) The color laser printer according to claim 8, wherein the correction data storage means comprises an electrically erasable programmable read-only memory.

15. (Currently Amended) A method of correcting color and position difference for a color laser printer, the color laser printer having a detachable transfer belt unit with a correction data storage unit configured to store correction data for color difference and position difference, the method comprising:

providing the detachable transfer belt unit with a transfer belt on which plural reference marks are fixedly pre-formed;

obtaining a measurement data based on the plural reference marks and fixedly pre-storing the measurement data in the correction data storage unit of the detachable transfer belt unit;

obtaining the correction data which is ~~a travel speed averaged on a travel average~~
speed for plural blocks of the transfer belt divided perpendicularly with respect to a travel
direction of the transfer belt;

storing the correction data in a data storage unit; and

performing corrections for color difference and position difference based on the
correction data stored in the data storage unit,

wherein when the detachable transfer belt unit is detached and reattached or replaced
with another detachable transfer belt unit with the same configuration, the correction data
stored in the correction data storage unit is transferred to the data storage unit, or the
correction data is inputted from an operation panel.